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GMD/PAG/M-49-65
19 March 1965

MEMORANDUM FOR: NSA/TCO

ATTENTION:

25X1A

THROUGH:

NSA/LO/NPIC

SUBJECT: Chinese Shipyards and Port Facilities

REFERENCE: Requirement No. [REDACTED], NPIC Project
No. 12037-64 (Partial answer)

In response to the referenced requirement, the attached material
is forwarded herewith:

Pre-release of Detailed Photographic Interpretation
Report "Shang-hai Shipyard Shang-hai Dockyards
(International Dock) Shang-hai, China".

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Assistant for Photographic Analysis, NPIC

Attachment:
As stated above

Declass Review by NIMA/DoD

Distribution:

- Orig & 1 - NSA/TCO w/att
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Attachment to GMD/PAG/M-49-65
dtd 19 Mar. 1965

Shang-hai Shipyard Shang-hai Dockyards
(International Dock)
Shang-hai, China

The Shang-hai Shipyard Shang-hai Dockyard [redacted] 25X1D is located in Shang-hai on the SE bank of the Huang-Pu Chiang (River) at 31-15-00N 121-33-10E. Alternate names for the Shipyard include International Dockyard, International Dock Shipyard, and Shang-hai Shipyard (East).

Shipyard facilities consist of 6 building ways, a transverse launching system, a graving dock, fitting-out wharves, and approximately 65 buildings. Handling equipment consists of 1 portal jib crane and a mobile crane. Facilities and activity observed at the Shipyard are given in Tables 1 and 2, respectively. Item numbers are keyed to Figure 2 and Table 1.

The building ways appear to be for the construction of minor surface combatants, coasters, and river craft. One PT-type hull, 125 ft long and 2 PT-type hulls, 85 ft long, were present on [redacted] photography; 4 Shang-hai-Class PTF and 1 hull of the same width but almost entirely covered by weather-sheds were present on [redacted] photography. The 125 ft hull resembles that used by the Osa-Class PTFG and the 85 ft hulls resemble those used for the Komar-Class PTF, P-6-Class PT, or Swatow-Class PGM. A Riga-Class DE was in the graving dock in [redacted] a Riga was tiedup at 1 of the wharves in [redacted] and a W-Class SS was present in [redacted]

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The shipbuilding and repair facilities of the yard include a shipbuilding area, a graving dock, and fitting-out wharves. The shipbuilding area is at the downstream end of the yard and is separately secured. It consists of 6 building ways, a transverser, side launching ways and a launching basin. Building ways 1B through 1F are 440 ft long and building way 1A is 230 ft long. The launching ways have an overall width of 175 ft and the launching cradle is 170 x 10 ft. The graving dock, upstream from the launching basin, is 555 x 120 ft at the top and 510 x 55 ft on its floor. Most of the fitting-out wharves are upstream from the graving dock; the major section consists of an offshore wharf and 4 pontoon wharves which have an overall length of 1,125 ft. A portal jib crane serves approximately 340 ft of the off shore wharf. Three pontoon wharves at the downstream end of the yard provide an additional 380 ft of wharfage.

The Shipyard contains approximately 65 buildings. These include a probable prefabrication building, a machine shop, a probable machine shop, a possible forge, an administration building, shops, and storage buildings. The industrial buildings are located in the center of the yard near the graving dock. Storage buildings and yards are located at both ends of the yard.

Security measures include a perimeter wall and a fence between the wharves and the yard. An unoccupied AA site is within the walls. The Shipyard is not accessible by rail.

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The only significant changes observed between [redacted] are the expansion of the probable prefabrication building, the construction of a possible shop, and the construction or expansion of approximately 10 storage buildings. Construction appears to be continuing at the downstream end of the yard adjoining the building ways.

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Table 1 Shipyard Facilities
(Item Numbers are keyed to Figure 2)

<u>Item No</u>	<u>Function</u>	<u>Dimensions</u>	<u>Roof Type</u>
1	Transverse building ways(6) Building way 1A Building ways 1B through 1F - - - - - each	440x350 oa* 230x20 440x20	---- ---- ----
2	Side launching ways Backshore section Inclined section, min range 9 pairs of rails Launching cradle	310x175 oa 40-105x175 oa 310-415x10 170x10	---- ---- ----
2A	Winch house, main	175x30	gable
2B	building		
3	Launching basin, concrete lined Tidal basin Offshore wharf (see item 26)	325x320 oa	----
4	Graving dock (international dock) Coping (top) Floor Gate, floating caisson	555x120 510x55 --- 80	
5	Poss storage building with extension 8 Bays, 3 new	165x80	gable, hip
6	New poss storage building	150x60	gable
7	Poss shop	205x45	gable
8	Prob prefabrication building, 5 parallel bays new bay	180x180 oa 180x30	monitor flat
9	Prob shop	150x40	monitor
10	Building complex, 3 halls, largest hall	245x150 oa 145x40	gables gable
11	Prob pumphouse 2 bays	90x50	hip

* Overall

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<u>Item No</u>	<u>Function</u>	<u>Dimensions</u>	<u>Roof Type</u>
12	Poss shop Central hall	180x100 oa 160x70	hip, shed hip
13	Poss shop Wing	110x45 30x25	monitor monitor
14	Prob machine shop 2 parallel bays Office section	255x100 oa each 220x50 100x35	monitor each monitor flat
15	Administration building	205x45	gable
16	Machine shop	365x135	monitor
17	Poss forge	85x55	monitor
18	Shop complex	220x215 oa	series of monitors, gables
19	New poss shop	150x40	monitor
20	Storage building	215x45	flat
21	Building complex 2 major buildings and minor structures building building (new) wing (new)	230x180 oa 160x55 175x40 100x60	gable gable gable, ventilators
22	Storage building, L-shaped, 5 bays	260x150 oa	gables
23	Prob storage building	200x100	gables, ventilators
24	New prob storage building U/C in Prob hoist on roof	115x40	flat
25	3 Offshore pontoon wharves Pontoon (1) Pontoons (2) Approaches (3)	380 oa 105x30 100x30 --- 10	---- ---- ---- ----
26	Offshore wharf Approach	120x5 45x5	---- ----
27	Offshore pontoon wharf Approach	100x30 --- 10	---- ----

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<u>Item No</u>	<u>Function</u>	<u>Dimensions</u>	<u>Roof Type</u>
28	Quay Prob for floating caisson	85 ---	----
29	Marginal wharf	190---	
30	Offshore wharf		
	Face	45x30	
	Face	535x30	
	Approaches (2)	--- 20	----
31	4 Offshore pontoon wharves	540 oa	----
	Pontoons (2)	115x30	----
	Pontoons (2)	100x30	----
	Approaches (3)	--- 10	----
32	Pontoon wharf	130x25	----
	Approach	--- 10	----

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Table 2 Shipyard Activities

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Location	Identification	Size/Configuration/Hatches	Status	Location	Identification	Size/Configuration/Hatches	Status
1A	Coaster	165x30/Unidentified/1	Under Construction	1A	Prob LSM	200x35	Unknown
1B	2 U/I small craft	95x25/U/I/2	U/C	1B	2 U/I small craft 1 PT-Type hull (Poss Osa-Class PTFG)	90x20 125x20	U/C
1C	2 Prob Shang-hai-Class PTF	120x20/	U/C	1C	1 PT-Type hull (Poss Kowar-Class PTG, P-6-Class PT or Swatow-Class PGH)		25X1D U/C
1D	1 U/I small craft 1 Coaster	65x15/U/I/0 165x30/U/I/1	U/C U/C	1D	Covered by weather sheds		U/C
1E	1 Coaster	170x30/U/I/1	U/C	1E	2 Coasters	160x30/--/Unknown 165x30/--/Unknown	U/C U/C
1F	1 U/I vessel under weather sheds 2 Prob Shang-hai-Class PTF	Not greater than 200' 120x20	U/C U/C	1F	1 U/I vessel	At least 160x30/--/Unknown	U/C
2A	Unoccupied			2A	1 U/I small craft	85x20	Unknown
3	2 Parges 1 Poss dredge	60x15 40x15	Unknown Unknown	3	1 PT hull 1 Dredge		Unknown Unknown
4	1 Riga-Class DE		Unknown	4	1 Poss Kronstadt Class PC 1 Coaster	170x 160x	Unknown Unknown
25	1 Poss Kaibokan I-Class PF 1 Tanker 1 U/I freighter 1 U/I Poss PGM 2 U/I small craft	220x25 325x50 335x50/KKF/2 80x15 50x10	Unknown Unknown Unknown Unknown Unknown	25	1 Poss Kaibokan I-Class PF 1 U/I Tanker 1 U/I Vessel	220x 300x 125x	Repair Repair Repair

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Table 2 Shipyard Activities

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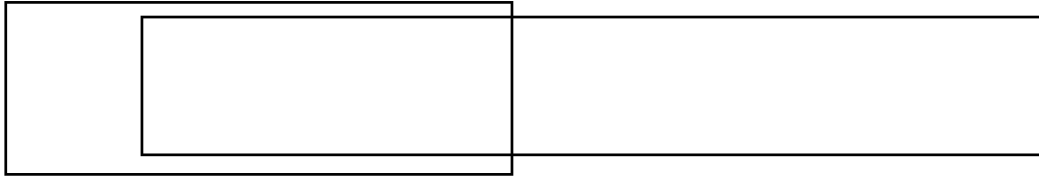
Location	Identification	Size/Configuration/Batches	Status	Location	Identification	Size/Configuration/Batches	Status
29, 30, 31, & 32	1 W-Class SS		Repair	29, 30, 31, & 32	1 Riga-Class DE		Repair
	1 Prob Hashidate-Class OPF	260/30	Repair		1 Oiler		Repair
	1 Prob Shang-hai-Class PT	120x20	Repair		1 Poss Hashidate-Class OPF	260x30	Repair
	3 Prob Swatow-Class PGM	85x20	Repair		1 Poss Kaiboken II-Class PF		Repair
	1 Poss GRC Haining-Class PR	160x30	Repair		1 U/I Poss PCM	85x	Repair
	2 U/I Poss PCM	80x20	Repair		2 LSP-1-Class LSP		Repair
	2 MK 5/MK 6-Class LCU	120x30	Repair		5 Coaster/Barges	145-205	Repair
	4 Prob Coasters	150-165	Repair		Numerous barges and small craft		Repair
	Numerous barges and small craft		Repair				

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REFERENCES

Photography:



Maps or Charts:

PACAF USATM Series 50, Sheet SO492-2/14MA, 1st ed, Dec 62
Scale 1:50,000 (SECRET/ [redacted])

Requirement:

[redacted] Partial answer

NPIC Project:

12037/64 (Q)

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